

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-174918

(43)Date of publication of application : 06.07.1990

---

(51)Int.Cl.

B01D 65/02

C02F 1/44

---

(21)Application number : 63-333028

(71)Applicant : MIURA CO LTD

(22)Date of filing : 27.12.1988

(72)Inventor : OCHI YASUO

UKIANA YUJI

---

## (54) MEMBRANE MODULE TYPE WATER TREATING DEVICE

### (57)Abstract:

PURPOSE: To prevent the membrane from polluting by providing a flash valve in the concd. water line of one end side of a membrane module structural body and connecting a bypass line to the raw water line of the other end side.

CONSTITUTION: When a water supply pump 10 is put in operation, the raw water in a raw water tank 12 reaches a three-way valve 5 through a cartridge filter 11. Ordinarily, the raw water is directly entered into the membrane module structural body 1, and the water passing through it flows into a treated water line 13. By switching the port of the three-way valve 5, the raw water is made flow through the bypass line 7 for injection of chemical agent and then entered into the membrane module structural body 1. When the flashing valve 3 is opened, the concd. water is made flow out with an increased flow rate from a concd. water line 2. By this operation, the consolidation of the membrane module 1 is eliminated.

